

ABSTRACT OF THE DISCLOSURE

A covered roll is disclosed. Under an exemplary embodiment, the covered roll includes a roll core base, an under-layer formed of densely packed fibers and a covering layer. The under-layer, which may include straight and directionally oriented fibers, is infused with a thermoset resin and circumferentially surrounds the roll core base. The covering layer, which may be formed of a rubber, urethane, thermoset resin or other plastics, circumferentially surrounds the under-layer. The resin infused under-layer provides improved strength to the resulting covered roll and improves adhesion between the covering layer and the metal roll core.